

## ABSTRACT

An imaging system according to the invention is to supply a sharper image while restraining the blooming even in the case of having a strong illuminant such as an oncoming headlamp at night. It includes an IR lamp for radiating an infrared ray forward, a CCD camera for taking an image in the forward direction and converting the image into an electric signal, and an image processing unit for varying the signal accumulating time of the CCD camera at a predetermined cycle and continuously and periodically supplying the images of different light exposure amount. The image processing unit sets a mask for adjusting the brightness level between the images of different light exposure amount in the ODD fields and the EVEN fields, on the image of the higher brightness level in the ODD fields.